

SCH4U - Lewis Structures Worksheet 2 – Polyatomic ions

After carefully reviewing the rules for drawing Lewis Structures, complete the structures for each of the following molecules.

Polyatomic ions	Total number of valence electrons	Skeleton of Lewis structure and valence e ⁻ on surrounding atoms	Number of valence electrons left	Lewis structure
NO_2^-				
HCO_3^-				
SCN^-				
HPO_4^{2-}				
PO_3^{3-}				

N_3^-				
ClO^-				
O_2^{2-}				
H_3O^+				
NH_4^+				